

LEARN ALL ABOUT FIRE DEPARTMENT AND WHAT IT NEEDS

By HARRY P. BAGLEY.

Neighbor, do you pay much attention to Ogden's fire department? Investigation shows its in fair shape with ample room, however, for improvement.

All it lacks to be a first class modern fire department, suitable for a city the size of Ogden, is two new stations, two more alarm boxes, a complete new water distribution system and reservoir, to be used for no other purpose than fire, a larger number of firemen, a few additional engines equipped with pumping machinery and a few more incidentals, and this is on good authority.

With this additional equipment, the Ogden fire department would have an even chance in case a really large fire broke out in the business district, firemen say.

Twenty-five years ago, the Ogden City fire department had 21 alarm boxes in various parts of the city. At present there are 25 alarm boxes, with another one ordered by the Holley Milling company to be installed at their mill on Washington avenue.

NEED MORE ALARMS.

Fire Chief George Graves maintains that there should be a master alarm box at each school in the city, with auxiliary alarms on each floor of the building. Installing the boxes would mean purchasing from ten to 15 new boxes.

Probably the gravest danger in Ogden, as far as fire is concerned, is the present water distributing system of the city. During the past summer, if a fire had broken out in the center of the city, efforts of the firemen would have proved futile in trying to extinguish the flames. Why? Because at no less than 20 to 25 fire plugs of the city, no flow of water could be obtained, and in two instances, at least, water mains collapsed because of the vacuum created by a pumping engine of the fire department, in an effort to pump water from the mains.

One of the places where the main collapsed because of the vacuum created in the pipes was at the Speery Mills. Not a drop of water could be procured, it is stated, when a test was made. The entire situation, according to Fire Chief Graves, results from the fact that the city has outgrown its water works. Six hundred and sixty kitchen taps were connected with the water mains during the past year. In addition to the amount of water drawn from the mains, the friction of the water in passing the numerous openings in the water mains is a detriment to the force of water available in case of a fire.

LARGE MAIN.

This friction is especially noticeable, it is reported, when the fire department is drawing water from a six-inch main. Chief Graves maintains that an eight-inch main should be the minimum sized pipe throughout the city.

The proper solution for the city to better conditions of the fire distribution system would be the installation of another reservoir south of the present reservoir, and the paralleling of the present water distribution system with a second system, to be used only in case of fire, he thinks.

If two new stations, one at Twenty-fifth street and Tyler avenue, and the other at Thirty-fifth street and Washington avenue were installed, the city

would be well protected as far as fire fighting apparatus is concerned, for the next 20 years.

Under the present conditions the fire department has a fire alarm system which is divided into six circuits, each circuit embracing a different portion of the city.

The present system was installed January 1, 1917, and is far more efficient and costs less for maintenance than the old "wet cell" system. The present system is supplied with electricity by duplicate sets of storage batteries. As one set of batteries is discharged, the second set is being charged.

The apparatus of the fire alarm system at the fire station is composed of complicated electrical equipment. The apparatus which gives the signals for a fire, registering the box number of the fire, consists of a register, which perforates a strip of paper when the alarm is sounded, a clock arranged to keep not only the time of day but the day of the year, and a carrier for a roll of the paper which the register perforates.

When an alarm is received at the station, the clock automatically registers the box number, repeating the operation four times. In the event that an alarm was turned in from box twenty-three, the register would punch two holes in the paper and then, after an interval, punch three more holes.

The entire apparatus of the fire station has repeatedly been timed in leaving the station and it has been on its way from the station in less than three seconds after the alarm. Trial runs from the station to points on the bench within a three-quarter mile radius from the station, have been made in 32 seconds.

COMPLETELY MOTORIZED.

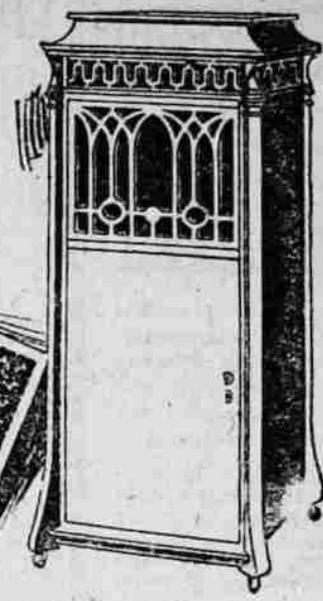
Twelve thousand feet of hose are available for use at the present time at the fire station. For the past two years the department has been motorized and nearly a dozen trucks are constantly ready to dash out to a fire. Recently, the platoon system was inaugurated at the local fire department.

This system means that men, instead of putting in shifts of twenty-four hours a day, living at the station, worked twelve-hour shifts, allowing them some time for recreation.

Under the old system, a fireman had one night off each week. Under the present arrangement, the work is divided into two shifts.

Smoke drills, ladder drills, and various other drills have been carried out to a great degree recently, that "rookies" at the fire department should know how to handle themselves in event they were called to a big fire. While the fireman's life is looked upon by many as a lazy existence, the fireman crowds many hours of work into a few minutes when called to his duty. While they do not put in their entire time at labor, they work exceedingly hard, risking their lives to save lives and property of others.

At certain portions of the city, where a twelve-inch main is laid, from five to ten streams of water can be secured to fight fires. The corner of Twenty-third street and Wall avenue is one of the places where a large force of water can be secured, while the corner of Twenty-third street and Washington avenue is another point where from five to ten and even more high pressure hose lines can be laid.



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UTAH IS FIRST IN BIRTH RATE

Public Health Journal Reviews Conditions Throughout State

Utah is annually proving "its best crop." More babies are born yearly per thousand population in the state, than in any other state in the union, according to information published in the October issue of the Utah Public Health Journal, just off the press.

This issue of the magazine is replete with information and statistics dealing with the health problem and the vital welfare of the state. James H. Wallis, editor of the Journal, has published a list of data under the title, "Utah Leads in Health Teaching," in which, quoting from the census bureau reports, he states: "The birth rate per 1000 population, as ascertained in the total registration area of the United States, is 24.4. The state with the largest birth rate is Utah, with 31.9 per 1000 population."

In the matter of the rate of infant mortality—that is, the number of deaths of infants under 1 year of age per 1000 born alive—the country's registration area gives the average number at 191. The state with the lowest record is Utah, with a rate of sixty-four.

That department of the magazine devoted to the work of the nurses employed by the Utah Public Health association recounts the progress of the various communities in the state in health work. Articles are contributed by Miss Rose Henniger, supervising nurse of the city board of health; Miss Sophie K. Larsen, public health nurse for Weber county, and by various public health nurses throughout the state. This department is conducted by Miss Lennie E. Arthur, state supervising nurse. The health exhibit at the state fair, Chow-Chow, the health clown, and the annual Christmas seal sale are featured.

With the exceptions of General Pershing, Hanford McNider, of Ogden, has more decoration than any other American who served in the United States army.

U. A. I. SETS BANQUET DATE

Five Men Named as Committee on Invitation for Ogden

Five Ogden men have been named by the Utah Associated Industries as a committee on invitations for the annual banquet which will be held at the Hotel Utah at Salt Lake, October 29, according to W. Fred Bossner, local secretary. The five men are: P. T. Wright, L. C. Mitchell, J. H. Waugh, Fred M. Nye and L. A. Herdt. They will meet at the local offices of the Utah Associated Industries Monday morning and further plans for the coming entertainment.

Last year more than 200 business men of Ogden attended the banquet while a total of more than 500 of the state were in attendance.

EMERY TO TALK.

This year the Hon. James A. Emery, of Washington, D. C., will be the principal speaker. Mr. Emery is the chief counsel for the National Industrial council and has appeared often before the congressional committee, representing business men on pending legislation.

He was responsible for bringing together representatives of business before the Republican and Democratic convention and succeeded in having constructive plans written into the platform of the industrial situation. He will address the members of the Utah Associated Industries on "American Industries and Public Affairs."

The banquet will be held following a meeting of the officials of the Utah Associated Industries on the afternoon of October 29.

TO ELECT DIRECTORS.

At the afternoon session representatives from Ogden, Logan, Salt Lake, and other parts of the state will meet to elect five directors for the association for the coming year. President J. E. Gallagher will preside at the afternoon session.

A toastmaster for the evening banquet will be named during the present

Will Ask City to Build New Bridge

Citizens of the Third ward are preparing plans to present to the city commission in the near future asking for the erection of a modern bridge over the Ogden river on Washington avenue.

The present bridge is inadequate for the needs of the community, they claim, is unsafe, due to the double crossings of railroad tracks, and all in all, hinders the beauty of the street, which is a state highway.

The plans as being made by the residents of that section, call for the construction of a cement bridge with two approaches for traffic one on the west and one on the east side of the street car tracks.

In the opinion of the residents of the Third ward, the present bridge is dangerous during the spring swelling of the Ogden river.

Weber Stake Holds Conference Today

Apostle David O. McKay and Bishop John Wells of the presiding bishopric, will be speakers at the Weber stake quarterly conference to be held in the tabernacle today, according to announcement made by the stake presidency. Sessions will convene at 10 a. m. and 2 p. m.

Members of the stake priesthood are required to be in their places in the front end of the tabernacle at 9:30 a. m. An invitation to all members of the stake to be present at both sessions is extended by the stake presidency.

Special musical programs will be rendered by the tabernacle choir at both sessions, under the direction of Prof. Joseph Ballantyne, with Prof. Sam P. Whitaker at the organ.

As a result of quick burial under a thin covering of earth, hundreds of bodies of soldiers of the World War today are found lying out in the open on the battlefields of Europe.

The existence of the oil-bearing shale in the Arlie region has been known for several years.

Myra Wright Aland to Open Ogden Studio

Mrs. Myra Wright Aland is planning to open a vocal studio in the near future in Ogden. Mrs. Aland was a pupil of Oscar Seagle in New York and coached with Charles Clark in Chicago. She was engaged in concert with Lullins at Northwestern university work and was formerly a member of last year she was head of the voice department of Bethany college and first soprano in Grace cathedral, Topeka, Kan.

Local Shippers File Suit Against S. P.

Damages totaling \$2000 are sought by Harrison and Dunn in a suit filed in the district court against the Southern Pacific Railroad company. The complaint alleges that the defendant company took a carload of mules from Fallon, Nev., to Kansas City, and that the mules were damaged as a result of being kept in the cars without food or water.

\$10,000 Pledged in Ogden Armory Drive

More than \$10,000 of the \$15,000 to be raised in Ogden for the new armory has been pledged, according to those in charge of the drive for funds. With the entire amount pledged, the city will be assured of the structure which will cost about \$110,000 when completed.

A. B. Foulger, chairman of the committee in charge of the plans for the new armory reports that the work is progressing and that the entire amount will be obtained within the next few days.

One of the big features of the

armory will be the installation of a modern gymnasium running track and other up-to-date methods for athletic work. The local unit of the Utah National Guard will be represented in all branches of athletic endeavor with the completion, and this phase will be one of the features used in securing recruits for the unit.

Reports from the workers on the drive will be submitted to Chairman Foulger next week. It is said, when final plans will be made. The \$90,000 appropriation was made by the state last spring, with the understanding that the city of Ogden was to raise the remaining \$15,000.

The longest name of any soldier in the United States army during wartime was Harry Adolph Thomas Richard Eugene Bulcock.

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